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The Files: Contract No: RD-125, T.O. 21

29 September 1961

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Trip Report - [REDACTED], CS-11 Collection System

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1. Project Description:

This task provides for fabrication of a service test model of the CS-11 collection system, including a remote, concealable collection station, and an interrogating base station.

2. Contractual Information:

- a. Initial Cost: \$97,449 Overrun (1) \$5,248 (2) \$4,860
- b. Initiation Date: June 1960
- c. Completion Date: February 1961 Extension (1) 17 July 1961 (2) 15 Aug. 61
- d. Deliverable Items: One CS-11 Service Test Model

3. Date of Meeting: 26 September 1961

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4. Place of Meeting: [REDACTED]

5. Persons Attending:

Agency [REDACTED]

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6. Contractor's Performance:

- a. On Schedule and expected to remain so: No
- b. Within Obligated Funds and expected to remain so: Yes
- c. Satisfactory Technical Progress: Yes

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7. Project Status:

1. The service test model of the CS-11 collection system has been completed and tested except for one of the two recorders being supplied by [REDACTED] of [REDACTED] California. At the time of this visit, the motor of the second recorder was being fitted with a matching capacitor at the [REDACTED]. The transport mechanism had been completed and it appeared that delivery of the recorder should be effected during the week of 16 October. This should permit adequate time for testing the recorder for performance and reliability.

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2. A modification has been added to the CS-11 so that upon interrogation of the remote station, the collection recorder is automatically started and allowed to record during the one minute warm-up period of the transmitter tubes. When the transmit operation begins (automatically), the recorder reverses and plays back at high speed (16 X record speed) all of the recorded information. This assures that for every interrogation there will be at least 1/16 min. of transmission. This eliminates the possibility of the interrogator not knowing whether he has gotten through to the collection station.

3. A $\frac{1}{2}$ second time delay has been inserted into the recorder between end of rewind and start of record. This slight pause relaxes tension on the tape and eliminates the possibility of tape stretching or breakage.

4. Delivery of the equipment is behind schedule, and the contractor will request an extension of time in which to complete the task.

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